JREX106-Analog

Explosion-proof Analog Telephone

FEATURES and BENEFITS

- Explosion-Proof analogue telephone
- Compatible with all the standard PBX servers
- Fully encapsulated electronics in robust glass fiber-reinforced polymer housing with 1/2" NPT conduit entries-IP66 compliant
- Programmable with alphanumeric display and a 20-piece stainless steel keypad
- Remote programming–allows you to manage your network from a central location
- Back-lit LCD display–2 line x15character: English
- Audio modes–handset and hands-free speaker phone
- Corrosion resistant hardware
- Noise canceling microphone
- Hermetically sealed non-contact hook sensing switch improves system reliability
- Captive cover screws prevent loss during installation
- Service temperature range from-45˚ to +70˚C
- Removable handset retainer latches on cradle
- Large urehane coated watertight keypad
- Autodial, memory, mute and menu configuration keys
- Programmable auto hang-up timer
- Hearing-aid compatible (HAC) receiver
- Available with Heavy duty curly handset cord or vandal resistant armored handset cord as an option
- Two M20 gland entries
- Models with or without display
- Housing colours yellow,orange,black,red
- Field repairable by authorized personnel

Overview:

The JREX106 Analog explosion proof telephone are designed to provide safe,reliable communication in hazardous areas.the telephones sets were developed for operation in the petrochemical industrial,usually used in production,transportation and refining of oil,natural gas,coal and etc.The housing is made of impact and shock-resistant GRP and even resistant to acids, alkali and lubricants. Its robust design represents a perfect“packaging”for the latest requirements for Analog telephones combined with proven reliability for critical mission communications and high safety applications.It is designed to provide ultimate user comfort on the basis of industrial standards and decades of market leading expertise and know-how.

The telephone device features a display with integrated heating for ultra low temperature environments.

II 2G Ex e ib [ib] mb IIC T4 Gb

II 2D Ex ib [ib] tb IIIC T135 °Db

-45 °C ≤ Ta ≤ +60 °C/+40°C

Zone 1,2,22

APPLICATIONS

- Refineries
- Power Generation Facilities
- Pulp and Paper Mills
- Food Processing Plants
- Chemical Plants
- Material Sites
- Cement Plants and more
- Sewage Plants
- Drilling Rigs
- Hydroelectric Facilities
- Warehouses
- Mines
- Greenhouses

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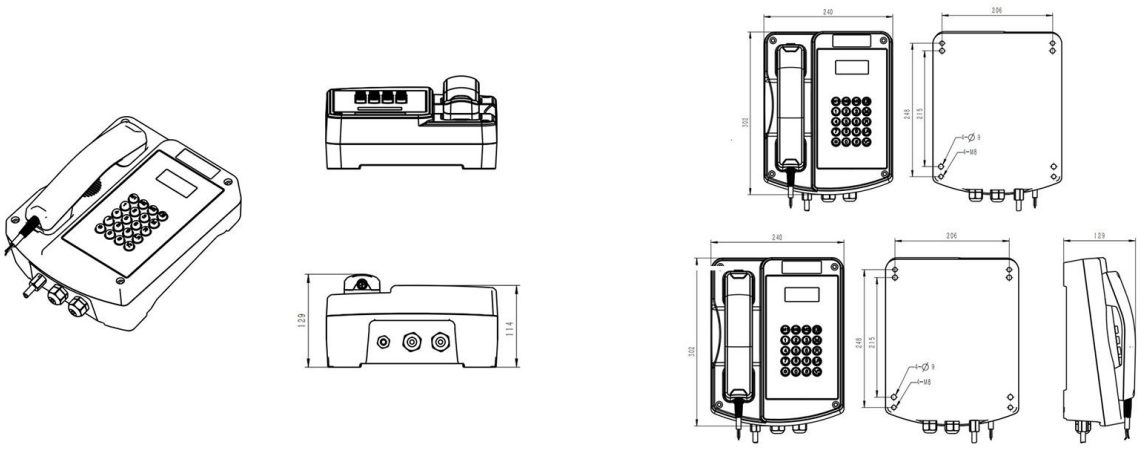
OVERALL DIMENSIONS



ENGINEERING SPECIFICATION

Electrical Requirements

Technology	Analogue
Power Supply:	Line powered i.e. drawn from telephone line. It doesn't require any external AC Supply.
Supply voltage	24-66 V DC
	Dialling method LD and DTNF(switchable)
Ringing volume:	Max. approx.90dB(A) in 1 m distance
Pulse/Pause ratio programmable:	1.5:1 60/40ms
	2:1 66.7/33.3ms
Flash time 300ms set as default	100ms-900ms can be programmed
Electrical safety	EN60950
Mouthpiece	Electret microphone
Receiver	Hearing Aid Compatible (HAC)
M.T.B.F.	In excess of 50,000 hours using
Lightning / Transients	Protection to ITU-T k .21 enhanced levels

Mechanical Specifications

Hook Switch(Cradle Switch) Life	>1000000 Operations
Housing Material:	High Impact Glass fibre-reinforced polyester
Handset Material:	High Impact Thermoset Resin Compound
Hardware Material	Stainless Steel
	Display available with and without
Display	128 x 64 pixels
Wiring Access	2xM20 Cable Gland Entry Points
	Type of mounting vertical wall mounting or table mounting
	Stabiliser bracket as accessory
Net Weight	6.5kg
Shipping Weight	7.5kg
Unit Dimensions	(L x W x D)302x240x129(mm)
Shipping Dimensions	(L x W x D)405x280x170(mm)
Packaging materials	pearl cotton,carton

Environmental Conditions

Corrosion Resistant & Dustproof	Full Gasket Faceplate
Operating Temperature	-40˚ to +70˚C (-22˚ to +140˚F)
Storage temperature:	-45℃ to +70℃ (-22 to 158F)
Display temperature	-10 °C / +55 °C
Housing SMC/BMC	+180°C to-80°C (380F to-112F)
Ingress Protection Rating	IP66 according to EN60529
Impact protection	IK 09 according to EN50102
Humidity	0 to 95% RH

Approval

This mark indicates compliance with the:
Radio & Telecommunications Terminal Equipment Directive 2004/108/EC

This mark indicates compliance with the:
FCC Part 15 Subpart B Class B

This mark indicates compliance with the:
II 2G Ex e ib mb IIC T4 Gb
II 2D Ex ib [ib] tb IIIC T135 °Db

ACCESSORIES:

JR-EB-01

Explosion Proof Beacon

JR-EH--01

Explosion Proof Horn

Explosion Proof Junction Box

JR-TH-01

Acoustic hood

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